

Barbara  
Campbell  
PCT

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/830,905

DATE: 05/21/2001

TIME: 08:31:01

Input Set : A:\seq.txt

Output Set: N:\CRF3\05212001\I830905.raw

# ENTERED

5 <110> APPLICANT: Breaker, Ronald R.  
7 Soukup, Garrett A.  
9 <120> TITLE OF INVENTION: Multidomain Polynucleotide Sensors  
11 <130> FILE REFERENCE: OCR-794B.US  
W--> 13 <140> CURRENT APPLICATION NUMBER: US/09/830,905  
13 <141> CURRENT FILING DATE: 2001-05-02  
15 <150> PRIOR APPLICATION NUMBER: PCT/US99/25497  
17 <151> PRIOR FILING DATE: 1999-10-29  
19 <160> NUMBER OF SEQ ID NOS: 34  
21 <170> SOFTWARE: MS-DOS  
25 <210> SEQ ID NO: 1  
27 <211> LENGTH: 27  
29 <212> TYPE: RNA  
31 <213> ORGANISM: artificial sequence  
33 <220> FEATURE:  
35 <222> LOCATION: III  
37 <223> OTHER INFORMATION: hammerhead ribozyme  
38 denoted III, upper strand in figure  
40 <300> PUBLICATION INFORMATION:  
42 <301> AUTHORS: Hertel, K.J., et al.  
44 <302> TITLE: Numbering system for the hammerhead  
46 <303> JOURNAL: Nucleic Acids Res  
48 <304> VOLUME: 20  
50 <306> PAGES: 3252  
52 <307> DATE: 1992  
54 <400> SEQUENCE: 1  
56 cgaaacggug aaagccguag guugccc 27  
60 <210> SEQ ID NO: 2  
62 <211> LENGTH: 17  
64 <212> TYPE: RNA  
66 <213> ORGANISM: artificial sequence  
68 <220> FEATURE:  
70 <223> OTHER INFORMATION: hammerhead ribozyme  
71 denoted I, lower strand in figure  
73 <300> PUBLICATION INFORMATION:  
75 <301> AUTHORS: Hertel, K.J., et al.  
77 <302> TITLE: Numbering system for the hammerhead  
79 <303> JOURNAL: Nucleic Acids Res  
81 <304> VOLUME: 20  
83 <306> PAGES: 3252  
85 <307> DATE: 1992  
87 <400> SEQUENCE: 2  
89 gggcgacccu gaugaga 17  
93 <210> SEQ ID NO: 3  
95 <211> LENGTH: 24  
97 <212> TYPE: RNA  
99 <213> ORGANISM: artificial sequence

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101 <220> FEATURE:  
 103 <223> OTHER INFORMATION: FMN aptamer boxed in figure  
 105 <400> SEQUENCE: 3  
 107 aggauaugcu ucuucggcag aagg 24  
 111 <210> SEQ ID NO: 4  
 113 <211> LENGTH: 22  
 115 <212> TYPE: RNA  
 117 <213> ORGANISM: artificial sequence  
 119 <220> FEATURE:  
 121 <223> OTHER INFORMATION: I-1 class I induction module  
 123 <400> SEQUENCE: 4  
 125 gccuuagccu ucgggcgcag uc 22  
 129 <210> SEQ ID NO: 5  
 131 <211> LENGTH: 21  
 133 <212> TYPE: RNA  
 135 <213> ORGANISM: artificial sequence  
 137 <220> FEATURE:  
 139 <223> OTHER INFORMATION: I-2 class I induction module  
 141 <400> SEQUENCE: 5  
 143 gccuugccuu cgggcgcagc c 21  
 147 <210> SEQ ID NO: 6  
 149 <211> LENGTH: 21  
 151 <212> TYPE: RNA  
 153 <213> ORGANISM: artificial sequence  
 155 <220> FEATURE:  
 157 <223> OTHER INFORMATION: I-3 class I induction module  
 159 <400> SEQUENCE: 6  
 161 gcguugccuu cgggcgcagc c 21  
 165 <210> SEQ ID NO: 7  
 167 <211> LENGTH: 18  
 169 <212> TYPE: RNA  
 171 <213> ORGANISM: artificial sequence  
 173 <220> FEATURE:  
 175 <223> OTHER INFORMATION: class II induction module  
 177 <400> SEQUENCE: 7  
 179 gauggccuuc gggcucuc 18  
 183 <210> SEQ ID NO: 8  
 185 <211> LENGTH: 25  
 187 <212> TYPE: RNA  
 189 <213> ORGANISM: artificial sequence  
 191 <220> FEATURE:  
 193 <223> OTHER INFORMATION: theophylline aptamer  
 194 boxed in figure  
 196 <400> SEQUENCE: 8  
 198 auaccagccg aaaggccuu ggcag 25  
 202 <210> SEQ ID NO: 9  
 204 <211> LENGTH: 24  
 206 <212> TYPE: RNA  
 208 <213> ORGANISM: artificial sequence

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210 <220> FEATURE:
212 <223> OTHER INFORMATION: clone cGMP-1
214 <400> SEQUENCE: 9
216 cagcagucgu ggaaaaacgu agcg          24
220 <210> SEQ ID NO: 10
222 <211> LENGTH: 25
224 <212> TYPE: RNA
226 <213> ORGANISM: artificial sequence
228 <220> FEATURE:
230 <223> OTHER INFORMATION: clone cGMP-2
232 <400> SEQUENCE: 10
234 gagaagcugg aaaaacgcaa acacg          25
238 <210> SEQ ID NO: 11
240 <211> LENGTH: 23
242 <212> TYPE: RNA
244 <213> ORGANISM: artificial sequence
246 <220> FEATURE:
248 <223> OTHER INFORMATION: clone cGMP-3
250 <400> SEQUENCE: 11
252 cgcaccaacg uucgucggcu gca          23
256 <210> SEQ ID NO: 12
258 <211> LENGTH: 23
260 <212> TYPE: RNA
262 <213> ORGANISM: artificial sequence
264 <220> FEATURE:
266 <223> OTHER INFORMATION: clone cGMP-4
268 <400> SEQUENCE: 12
270 accccagagg ucagcugcau aac          23
274 <210> SEQ ID NO: 13
276 <211> LENGTH: 24
278 <212> TYPE: RNA
280 <213> ORGANISM: artificial sequence
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284 <223> OTHER INFORMATION: clone cGMP-5
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288 gcaccgacgg uagcgaggcg auua          24
292 <210> SEQ ID NO: 14
294 <211> LENGTH: 22
296 <212> TYPE: RNA
298 <213> ORGANISM: artificial sequence
300 <220> FEATURE:
302 <223> OTHER INFORMATION: clone cGMP-6
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306 uugcgcgacu acaacgcaau ua          22
310 <210> SEQ ID NO: 15
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314 <212> TYPE: RNA
316 <213> ORGANISM: artificial sequence
318 <220> FEATURE:

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320 <223> OTHER INFORMATION: clone cGMP-7
322 <400> SEQUENCE: 15
324 caaugucacu cagcacgauu a                21
328 <210> SEQ ID NO: 16
330 <211> LENGTH: 22
332 <212> TYPE: RNA
334 <213> ORGANISM: artificial sequence
336 <220> FEATURE:
338 <223> OTHER INFORMATION: clone cGMP-8
340 <400> SEQUENCE: 16
342 cggggcucac agcuugccac gc                22
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348 <211> LENGTH: 25
350 <212> TYPE: RNA
352 <213> ORGANISM: artificial sequence
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356 <223> OTHER INFORMATION: clone cCMP-1
358 <400> SEQUENCE: 17
360 cacagaaagu ggugugaacc gggau            25
364 <210> SEQ ID NO: 18
366 <211> LENGTH: 25
368 <212> TYPE: RNA
370 <213> ORGANISM: artificial sequence
372 <220> FEATURE:
374 <223> OTHER INFORMATION: clone cCMP-2
376 <400> SEQUENCE: 18
378 ggauaaggug ucugcacuag uggau            25
382 <210> SEQ ID NO: 19
384 <211> LENGTH: 24
386 <212> TYPE: RNA
388 <213> ORGANISM: artificial sequence
390 <220> FEATURE:
392 <223> OTHER INFORMATION: clone cCMP-3
394 <400> SEQUENCE: 19
396 caaaaacggc gacuaccgc auua              24
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402 <211> LENGTH: 24
404 <212> TYPE: RNA
406 <213> ORGANISM: artificial sequence
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414 gaguugcgcg cagaaccgcc auua            24
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422 <212> TYPE: RNA
424 <213> ORGANISM: artificial sequence
426 <220> FEATURE:
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430 <400> SEQUENCE: 21
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440 <212> TYPE: RNA
442 <213> ORGANISM: artificial sequence
444 <220> FEATURE:
446 <223> OTHER INFORMATION: clone cCMP-6
448 <400> SEQUENCE: 22
450 aaaguugcgg acuacaacgc aaaua                25
454 <210> SEQ ID NO: 23
456 <211> LENGTH: 24
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460 <213> ORGANISM: artificial sequence
462 <220> FEATURE:
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466 <400> SEQUENCE: 23
468 ugcggacuug caaugcgccga uua                24
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474 <211> LENGTH: 24
476 <212> TYPE: RNA
478 <213> ORGANISM: artificial sequence
480 <220> FEATURE:
482 <223> OTHER INFORMATION: clone cAMP-1
484 <400> SEQUENCE: 24
486 ucaguacacg gugcagacaa aggu                24
490 <210> SEQ ID NO: 25
492 <211> LENGTH: 24
494 <212> TYPE: RNA
496 <213> ORGANISM: artificial sequence
498 <220> FEATURE:
500 <223> OTHER INFORMATION: clone cAMP-2
502 <400> SEQUENCE: 25
504 ucgaggaggc aggugcaugu gggc                24
508 <210> SEQ ID NO: 26
510 <211> LENGTH: 23
512 <212> TYPE: RNA
514 <213> ORGANISM: artificial sequence
516 <220> FEATURE:
518 <223> OTHER INFORMATION: clone cAMP-3
520 <400> SEQUENCE: 26
522 ccccggcgca uuggacgacg agu                23
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530 <212> TYPE: RNA
532 <213> ORGANISM: artificial sequence
534 <220> FEATURE:
536 <223> OTHER INFORMATION: clone cAMP-4
538 <400> SEQUENCE: 27

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VERIFICATION SUMMARY

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L:13 M:282 W: Numeric Field Identifier Missing, <140> CURRENT APPLICATION NUMBER: is Added.